



### Figure 1

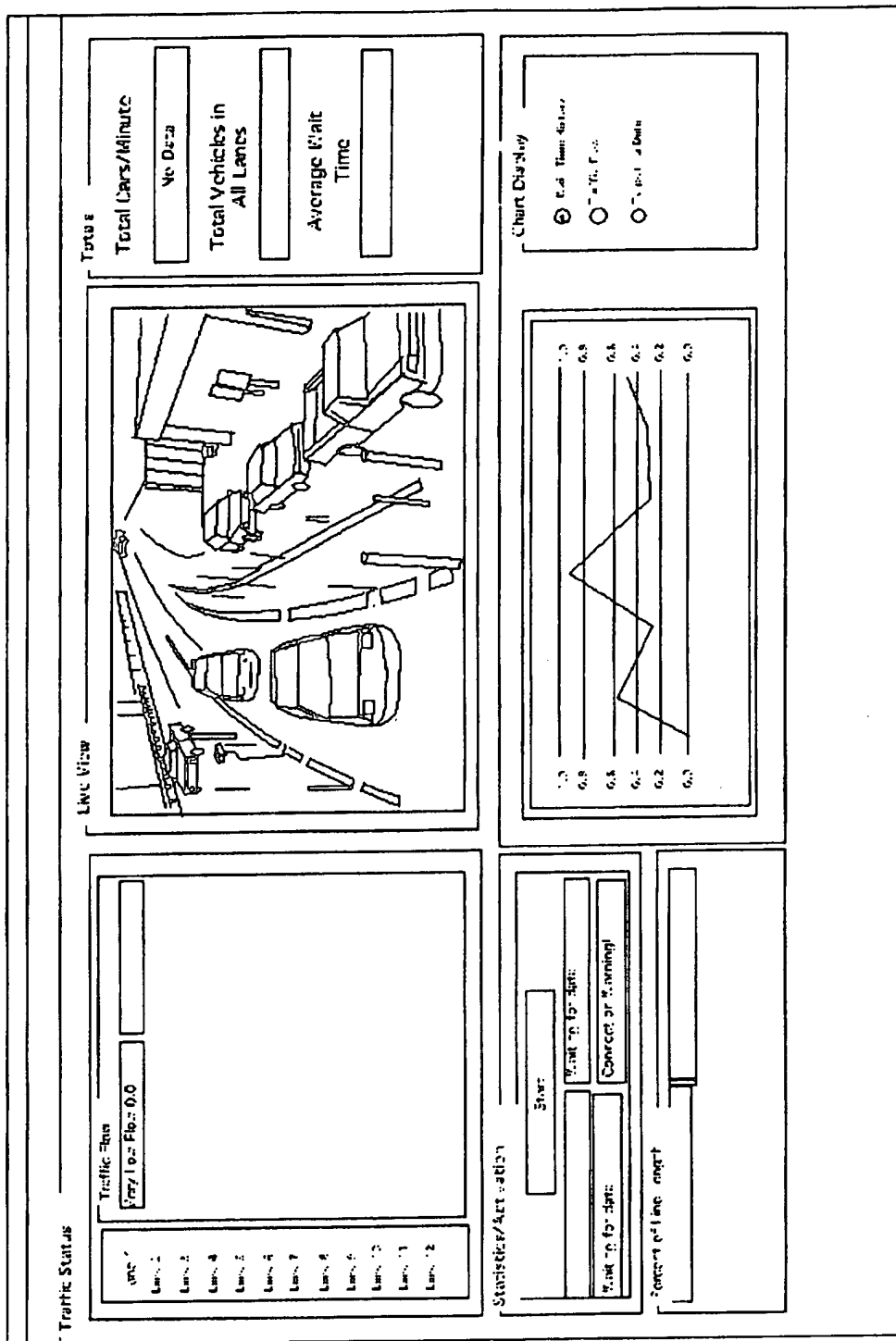


Figure 2

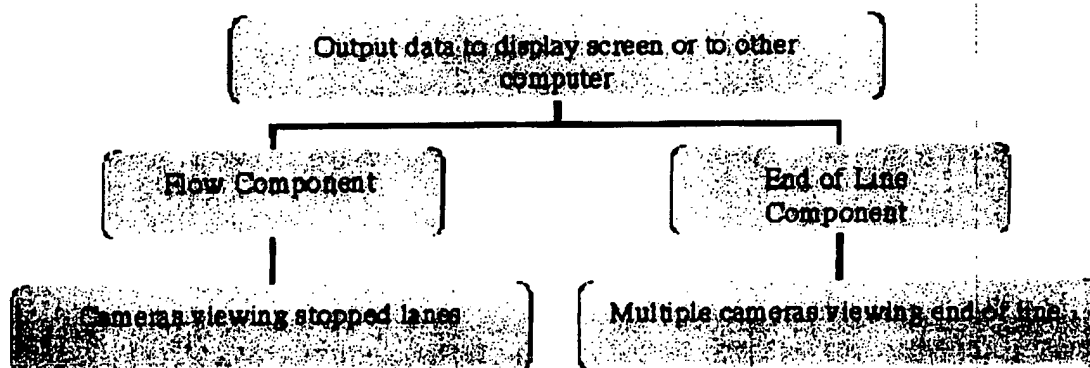


FIG. 3

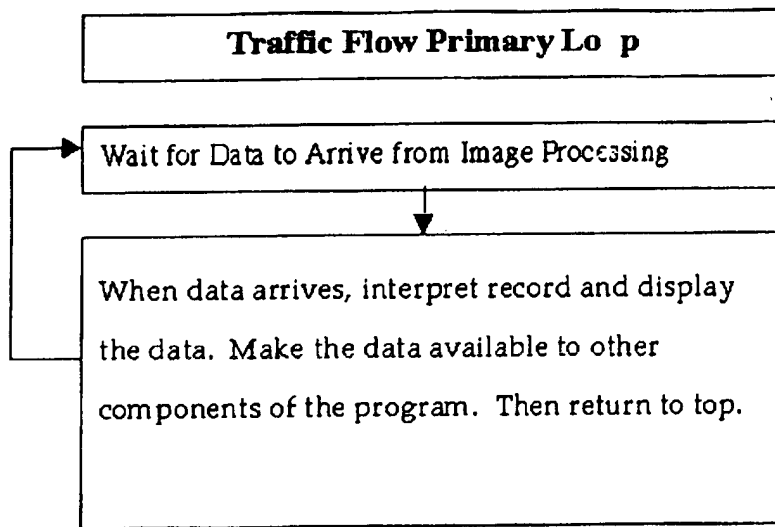
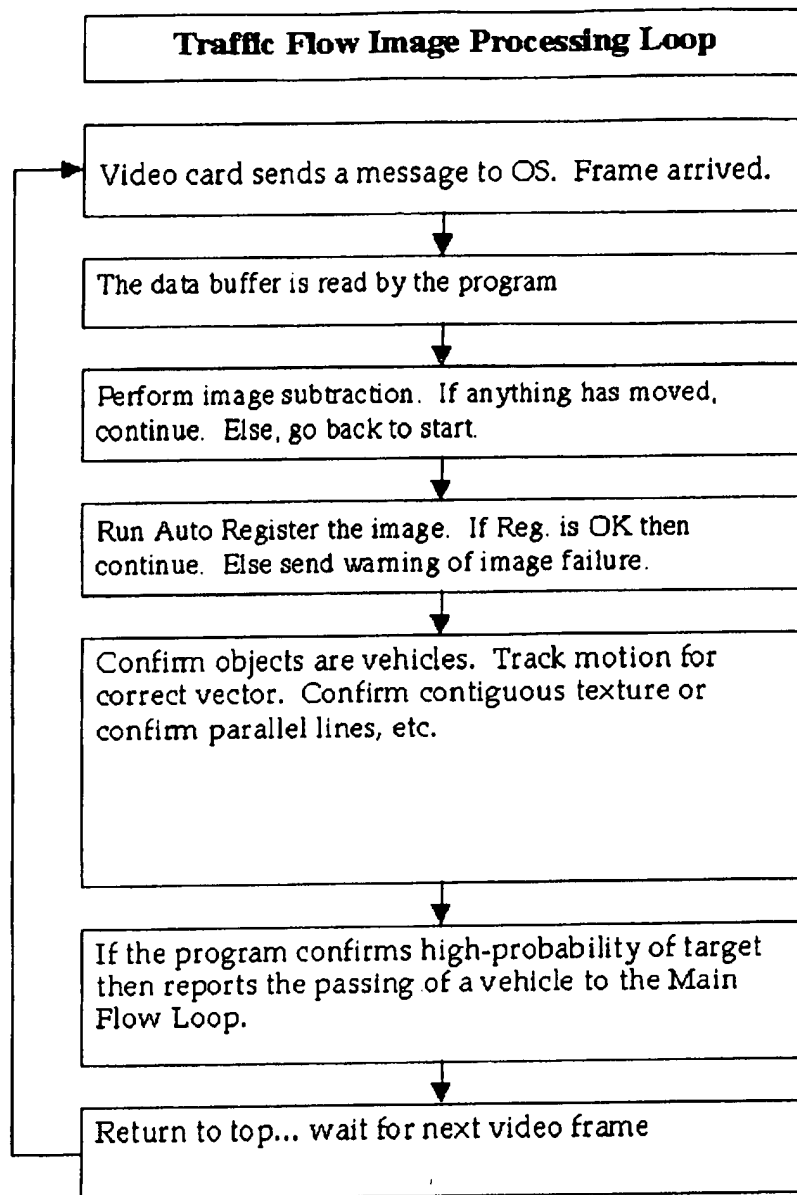
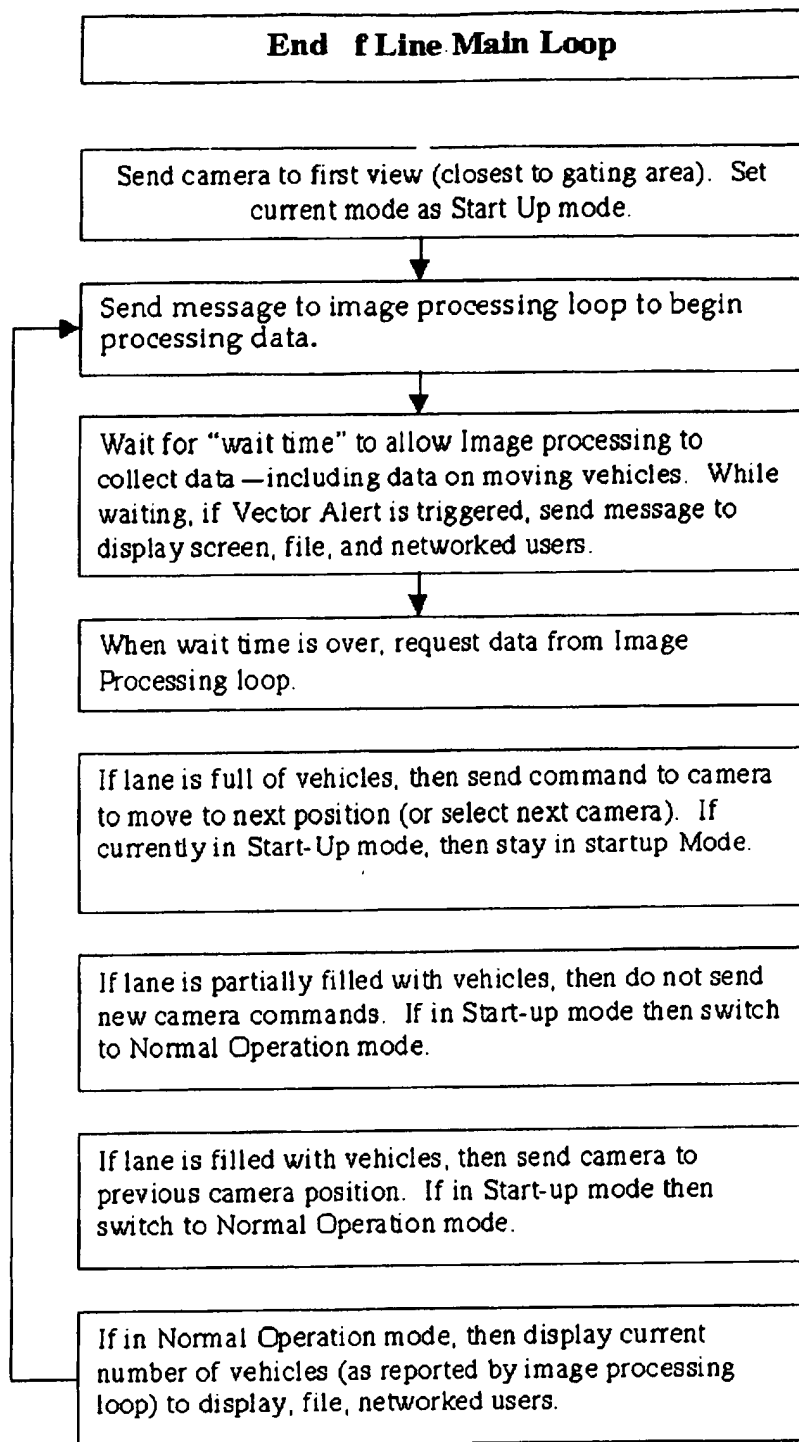


FIG. 4



**Figure 5**



**Figure 6**

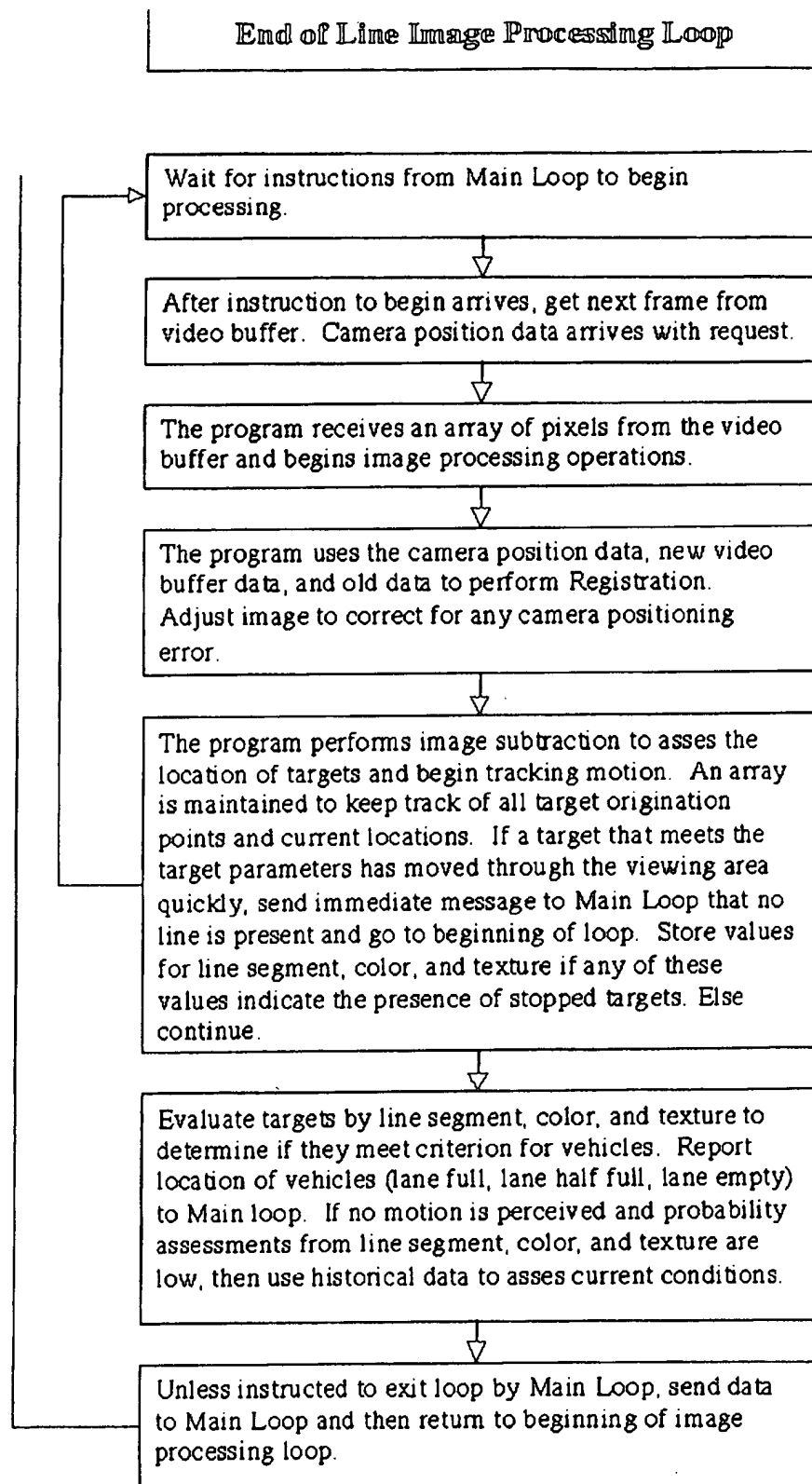


FIG. 7

## PROGRAM OVERAL OPERATIONS

Launch program and connect to other machines and programs. Connect to End Of Line machines and Traffic Flow machines. Confirm connections and display status to user. If all connection OK, then proceed. Else, wait for user input to correct connections.

Instruct Traffic Flow Loop to begin.  
Instruct End of Line Loop to begin.

Display data from Traffic Flow Loop to display screen.  
Display data from End of Line Loop to display screen.  
Calculate wait time by dividing total vehicles by total rate of flow. Display total wait time to screen.  
Send data to other connected computers.  
Save incoming data to disk

Wait for user input.

Figure 8





**Figure 9**

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**Figure 10**

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